

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method of absorbing at least one gas ~~and/or storing gases, storing the at least one gas, or absorbing and storing the at least one gas in~~ which wherein the at least one gas ~~to be stored~~ is brought into contact with an electrochemically prepared metal-organic framework under conditions suitable for absorption of the at least one gas, with absorption of the at least one gas into the metal-organic framework occurring, and, ~~if appropriate~~ optionally, the conditions are subsequently changed so that release of the ~~stored~~ at least one gas occurs.

Claim 2 (Currently Amended): The method according to claim 1, wherein the ~~gases at least one gas which are stored or released are~~ is selected from the group consisting of: saturated hydrocarbons, and unsaturated hydrocarbons, saturated alcohols, and unsaturated alcohols, oxygen, nitrogen, the noble gases, CO, CO₂, synthesis gas, natural gases, of all possible compositions or compounds which generate the gases, and mixtures thereof ~~which are subsequently released by the MOF.~~

Claim 3 (Currently Amended): The method according to claim 1, wherein the at least one gas ~~which is stored or released~~ is selected from the group consisting of among H₂; H₂-comprising gas mixtures[[:]] , H₂-producing ~~or releasing~~ compounds[[:]] , H₂-releasing compounds, methane, ethane, propane, butanes, ethylene, propylene, acetylene, Ne, Ar, Kr, Xe, CO₂ ~~and~~ CO₂ and mixtures thereof.

Claim 4 (Currently Amended): The method according to claim 1, wherein the method is a method of storage, and wherein the storage is carried out at a temperature of from 0 to 100°C.

Claim 5 (Currently Amended): The method according to claim 1, wherein the method is a method of storage, and wherein the storage is carried out at a pressure of from 1 to 300 bar (abs).

Claim 6 (Currently Amended): The method according to claim 1, wherein the method is a method of storage, wherein the method comprises subsequently changing the conditions so that the release of the at least one gas occurs, and wherein the stored at least one gas is released again by reducing the pressure or increasing the temperature.

Claim 7 (Currently Amended): The method according to claim 1, wherein the ~~MOF~~ metal-organic framework is present in a gastight container.

Claim 8 (Currently Amended): The method according to claim 7, wherein the container is connected to a fuel cell or is part of the fuel cell ~~this~~.

Claim 9 (Currently Amended): The method according to claim 8, wherein the fuel cell is ~~used~~ part of ~~in~~ a power station, motor vehicle or cable-less application in electronics.

Claim 10 (Currently Amended): The method according to claim 1, wherein the electrochemically prepared metal-organic framework comprises ~~[[a]]~~ the at least one metal of groups Ia, IIa, IIIa, IVa to VIIIa and Ib and VIb of the Periodic Table of the Elements.

Claim 11 (Currently Amended): The method according to claim 10, wherein the at least one metal is selected from the group consisting of Zn, Co, Ni, Pd, Pt, Ru, Rh, Fe, Mn, Ag and Co, and combinations thereof.

Claim 12 (Currently Amended): A method of producing an electrochemically prepared metal-organic framework comprising ~~[[a]]~~ at least one gas, ~~wherein the~~ comprising contacting the gas with the framework, thereby producing the electrochemically prepared metal-organic framework comprising the at least one gas ~~is brought into contact with the framework and is absorbed in this.~~

Claim 13 (Currently Amended): A metal-organic framework comprising at least one gas obtained by the method of ~~obtainable by a method according to~~ claim 12.

Claim 14 (Currently Amended): A container or fuel cell comprising the metal-organic framework comprising at least one gas of claim 13 and a closure mechanism ~~an MOF material according to claim 13.~~

Claim 15 (Currently Amended): A system comprising ~~a material~~ the metal-organic framework comprising at least one gas according to claim 13.

Claim 16 (Currently Amended): A system comprising ~~[[a]]~~ the fuel cell according to claim 14.

Claim 17 (Currently Amended): ~~An application of a material according to method of forming a power station, a motor vehicle, a mobile telephone, or a laptop comprising forming the power station, the motor vehicle, the mobile telephone, of the laptop with the metal-organic framework comprising at least one gas of claim 13.~~

Claim 18 (Currently Amended): ~~An application of a~~ A method of storing and releasing energy in at least one apparatus wherein a supply of external energy is not possible or desirable comprising storing and releasing the energy with the fuel cell according to claim 14.

Claim 19 (New): The method of claim 1, wherein the method is a method of absorbing.

Claim 20 (New): The method of claim 1, wherein the method is a method of storing and absorbing.